Hence great Advantages will ariſe from this Way of Diſtillation: For, 1. We can keep a greater Fire, if Occaſion be, without Fear of breaking our Glaſſes. 2. The Matter diſtill'd may be removed as often as we pleaſe; whereby we may always prevent the Drawing off any Spirit, *&c.* too low. And, 3. Any pure, fine, volatile Salt, which ſhall ariſe into the ſecond Recipient, will not be ſo liable to be melted down, either by the Heat, or too watery a Fluid.

IV. *The Caſe of a Perſon bit by a* Mad Dog: *Communicated to the* Preſident *by Mr.* Ranby, *F. R. S. Serjeant-Surgeon to* His Majeſty: *From* Charles Peters, *M. D. F. Coll. Med.* Lond.

Read Jan. 24. 1744-5. JOHN *Neale*, of a robuſt Conſtitution, aged Forty-five, had, for ſome Years, followed the Occupation of curing Dogs: And, on *Thurſday* preceding *Michaelmas* Day 1741, being employed in that Calling, he, endeavouring to drench one ſuppoſed to be mad, was bit in the Thumb.

The Day following the Dog was obſerved to droop, refuſe his Food, and at Night he died.

The Patient, having been frequently converſant with the like Accidents, was ſufficiently alarmed at the Danger; and, having been, the Year before, received a Patient into *St. George's* Hoſpital, repaired thither for Relief.

Doctor *Hoadly* attending, in the Room of Doctor *Bailey*, the Phyſician of the Week, directed him to have the Wound ſcarified, be blooded, uſe the *Pulvis antilyſſus*, and Cold Bath.

About a Fortnight after the Accident, being the Full of the Moon, his Symptoms became ſo violent, that I was deſired to meet my Brethren in Conſultation. I found him ſitting on a Bed, with one of his Legs tied to the Poſt; and, upon inquiring how he came placed in that Poſture, he told me, He himſelf faſtened the Cord, apprehending he might grow miſchievous: And, upon our propoſing to him to put on the ſtrapp'd Waiſtcoat, he readily conſented to it; expreſſing great Dread of becoming hurtful. He told us, He had felt a Numbneſs in the wounded Thumb, which ſhot up his Arm to the Shoulder; and that he was not ſenſible of having taken a Moment's Reſt ſince the Accident had happened; and that, upon endeavouring to compoſe himſelf, he fell into Startings, and dreadful Apprehenſions of Miſchief from Dogs. His Eyes look'd wild, and he complained of an excruciating Pain in the Head. For ſome Days paſt he had been troubled with a Difficulty in Swallowing: I propoſed to him to get down a ſmall Piece of Bread; but he ſeemed to refuſe it with great Abhorrence: However, being encouraged to make uſe of his Reſolution (which he poſſeſſed to an extraordinary Degree), he forced it into his Mouth; where holding it for ſome Minutes, he endeavoured to ſwallow, but was ſeized with violent Spaſms, beginning at the Bottom of the *Abdomen*; which, by a convulſive Progreſſion, heav'd itſelf into the *Thorax*; from whence the Spaſms were extended to the *Pomum Adami*;

Adami; when the Patient fell into Strangulation, and afterwards Privation of Senſe. Upon recovering from the Fit, as we perceived, that, notwithſtanding theſe Obſtacles, he had ſwallowed the Bread, allowing him Time to reſt, we propoſed to him to endeavour to ſwallow a Spoonful of Liquid, which he ſeemed moſt ſhock'd at: He anſwered with Fierceneſs, That he could not away with Drink: However, upon Recollection, he ſaid, He would endeavour it: And, taking a Spoonful of Ale-houſe Drink into his Mouth, he was inſtantly ſeized with Convulſions, beginning from the Bottom of the *Abdomen*, and aſcending with great Violence to the Head, till he fell into a Fit of longer Duration than the former: However, he ſwallowed the Liquor; and, upon his recovering his Senſes, he pointed with great Vehemence to his Arm, ſignifying, that he deſired to be blooded; from which, he afterwards told us, he had before found Relief.

As his Pulſe was extremely hard, we directed the Surgeon to take away 16 Ounces, which proved *ad Deliquium*: However, that ſoon paſſing off, his Pulſe ſtill continued hard, his Fleſh hot, with grievous Complaints of the Pain in his Head.

Upon conſidering his Caſe, as he had received no Relief from the ordinary Treatment of this Diſtemper, and that his Symptoms were now become highly inflammatory (Blood ſizy, and flammeous Urine); we reſolved to lay aſide all Thought of Infection, and to betake ourſelves to the Method of Cure in inflammatory Fevers; with this Difference only, That, as he had paſs'd ſome Days without Stools, he was directed to take an *Enema*, immediately: and then

the following *Bolus*; *Nitri purif.* ʒ ß, *Confect. Mithridat.* ℈ i, *ſexta quaque Hora, addendo Doſi veſpertin. Extr. Thebaic.* gr j. *& repetatur tertia quaque Hora* (*niſi interveniant Symptomata*), *donec concilietur Somnus: Epiſpaſtica applicentur Brach. & Crurib. intern.*

Upon viſiting him in the Morning, the Nurſe informed me, That, after having taken two Bolus's, he had ſlept about half an Hour, to his infinite Refreſhment. His Bliſters diſcharged plentifully; his Mind more compoſed; and his Horrors were ſo far mitigated, to ſwallow half a Pint of Ale at one Draught, tho' not without Repugnance. He ſtill complained of living in a Flame; his Eyes ready to ſtart out of his Head, where his Pain ſtill remained acute; not without Numbneſs in the diſeaſed Arm; Inquietude; Difficulty in Swallowing and Reſpiration. *Mittatur Sang. e Br. ad* ʒ xii. *& pergat in Uſu Præſcriptorum.*

The Night following he took two Bolus's, and ſlept near three Hours. The Symptoms appeared leſs violent the next Day, but ſtill threatened Miſchief. *Applicentur Cucurbit. Occipit. ad extract. Sang.* ʒ viii. *Epiſpaſtic. Laterib. Colli, &c.*

His Body was kept ſoluble with *Manna*, and other cooling Laxatives.

This Method, with little Variation (ſuch as Leeches, *Pulv. ſternutatorius, &c.*), was continued for the Space of about fourteen Days, the Bliſters being kept open during the whole Time; during which the Symptoms gradually abated. He fell into Languors, which were eaſily removed by the Uſe of *Aſſa fetida*, Valerian, *&c.*

As

As he was now free from any Diſorders in his Head, and his Pulſe beat with a natural Softneſs, I adviſed him to return to the Uſe of the Cold-Bath, *Pulv. Antilyſſus*; with a Caution to bleed, and diſcontinue the Uſe of them, whenever he found himſelf heated.

He is now reſtored to a tolerable State of Health (except at the New and Full Moon): For, tho' he feels ſome Alteration in the *Quarters*, they are not ſo conſiderable; at which time his Symptoms return in ſome Degree; but ſo ſlightly, as not to prevent him from following his Calling, which he has changed to Selling of Greens; not being intirely freed from the Dread of Dogs.

I had forgot to mention, That, during his Illneſs, he voided ſo great a Quantity of *Saliva*, that his Teeth, tho' naturally firm, became looſe, and continued ſo, till the Abatement of the Complaint.

As copious Bleeding is generally preſcribed for the Cure of this Diſtemper, I ſhall make no other Remark upon that Advice, than by obſerving, That frequent Recourſe was had to it, to the apparent Relief of the Patient; who thought himſelf likewiſe much benefited by the *Nitre* and *Mithridate*.

As the Difficulty of Swallowing, in the preſent Diſorder, was evidently ſpaſmodic, and infinitely abated by Reſt, tho' for half an Hour only, I ſubmit to your better Judgment, how far Opiates may be conducive to the Cure in this Diſtemper; not only by giving them internally, but likewiſe by externally rubbing in ſuch a Quantity, as may ſeem reaſonably calculated for the Removal of ſpaſmodic Tenſions.

During

During this Illneſs, he complained of Coldneſs in the Extremities, with ſour Eructations; ſo that, as ſoon as it was judged ſafe, he was directed to make uſe of a Vomit; which was repeated many times with Succeſs.

I obſerved, when any Liquid was offered him, he pour'd it into his Mouth with uncommon Haſtineſs: And, upon inquiring his Reaſon for doing ſo, he told me, He had experienced, that, by throwing in a large Quantity of Liquid into his Mouth at once, his Faculty of Swallowing became more eaſy: And that, whenever any Hindrance happened in the Performance, it was not without Difficulty that he recovered himſelf.

I deſire I may no way be thought to depreciate the Efficacy of the *Pulv. Antilyſſus* * and Cold-Bath; for I believe them more generally ſucceſsful than any other Means: Yet I think it clear in the above Caſe, that they were ſo far from alleviating the Complaints, that they tended evidently to promote them; the Patient never making uſe of the Cold Bath, but his Head-ach increaſed †, and his feveriſh Complaints grew more violent.

As the *contra Rabiem* Powder now ſtands in our *Pharmacopœia*, it is compounded of two Drugs only. I have endeavoured to diſcover what Effect might be procured by the *Liverwort*; but, upon trying it, for Experiment's ſake, in ſeveral different Caſes, even in large Doſes, I could never perceive the leaſt Alteration either in the Pulſe, or Secretions.

V.

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* Of *Dampier*, as alter'd by Dr. *Mead*.

† Therefore, in my *Theſ. Inaug. Lugd. B.* 1724. I propoſed the Uſe of *warm Baths*; for by them Heat and Thirſt will be abated, and the Blood diluted, not render'd ſtill more thick by Sweating, as is the Effect of *Cold Baths*. [See theſe *Tranſ.* N°. 443, p. 319, and p. 360. C. M.